| Rejected   | Index of Claims |          |               |     |        |          |         |                                   |          |               |          |   |                  | <b>Application No.</b> 10/611,477 |    |              |                 |        |    |          |          |          |          |           | Applicant(s) WU ET AL. |          |                 |        |    |  |  |
|--|-----------------|----------|---------------|-----|--------|----------|---------|-----------------------------------|----------|---------------|----------|---|------------------|-----------------------------------|----|--------------|-----------------|--------|----|----------|----------|----------|----------|-----------|------------------------|----------|-----------------|--------|----|--|--|
| Claim  |                 |          |               |     |        |          |         |                                   |          |               |          |   | Examiner         |                                   |    |              |                 |        |    |          |          |          | Art      | Un        |                        |          |                 |        |    |  |  |
| Claim         Date           E   |                 | [        | /             | Rej | ect    | ed       |         | _                                 | (        |               |          |   | ral)             |                                   | N  | N            | Non-Elected     |        |    | ed       |          | A        |          |           |                        |          |                 | 1      |    |  |  |
| Total   Tota |                 |          | =             | All | owe    | d        |         | ÷                                 |          | Re            | estric   |   |                  | L                                 | lr | Interference |                 |        | се |          | 0        | Objected |          |           |                        |          |                 |        |    |  |  |
| Te   Fe   Fe   Fe   Fe   Fe   Fe   Fe  | Clain           | n        | -             |     |        | Date     |         |                                   | 7        | Cl            | aim      | -   |                  | Da                                | te |              |                 |        | ſ  | Cla      | im       |          |          |           | Dat                    | е        |                 |        | 7  |  |  |
| 2       2       =       102       103         3       3       =       104       104         5       5       =       105       105         6       6       =       107       107         8       8       =       109       100         9       9       =       109       100         10       10       =       60       110       111         11       11       =       62       112       112         13       13       =       63       113       113         14       14       =       65       115       116         16       16       =       66       116       117         17       17       =       67       117       117  | Final           | Original | 1/12/05       |     |        |          |         |                                   |          | Final         | Original |   |                  |                                   |    |              |                 |        |    | Final    | Original |          |          |           |                        |          |                 |        | Ī  |  |  |
| 3       3       =       103       104         4       4       =       104       104         5       5       =       105       105         6       6       =       106       107         7       7       =       107       107         8       8       =       108       9         9       9       =       109       109         10       10       =       60       110         11       11       =       62       112         13       13       =       63       113         14       14       =       64       114         15       15       =       66       116         17       17       =       67       117  |                 |          | =             |     |        |          |         |                                   |          |               |          |   |                  |                                   | T  |              |                 |        | ł  |          |          |          |          | -         | T                      |          | $\Box$          | +      | 1  |  |  |
| 4       4       =       54       104       105         5       5       =       105       105       106       106       107       107       107       107       107       107       108       108       108       109       109       109       109       109       109       109       110       111   |                 |          |               | _ _ |        | Ш        |         |                                   |          |               |          |   |                  |                                   |    |              |                 |        |    |          |          |          |          |           |                        | П        | $\Box$          |        | ]  |  |  |
| 5       5       =       105       106         6       6       =       106       107         8       8       =       107       107         8       8       =       108       108         9       9       =       109       109         10       10       =       60       110       111         11       11       =       62       112       112         13       13       =       63       113       113         14       14       =       64       114       14         15       15       =       66       116       117         17       17       =       67       117       117   |                 |          | -+            | 4   | _      | Ш        | $\perp$ |                                   | ┙        | 1             |          | _   | $\perp \perp$    | $\perp$                           | ┸  |              |                 |        | į  |          |          |          | $\bot$   |           |                        | Ш        | $\sqcup$        |        | _  |  |  |
| 6       6       =       106       107         8       8       =       107       107         8       8       =       108       108         9       9       =       109       109         10       10       =       110       110         11       11       =       61       111         12       12       =       62       112         13       13       =       63       113         14       14       =       64       114         15       15       =       65       115         16       16       =       66       116         17       17       =       67       117   |                 |          | _             |     |        | $\vdash$ | -       |                                   | _        | -             |          | _   | $\sqcup$         | _                                 | ╀- | Ш            |                 |        | ļ  |          |          | $\sqcup$ | 4        | -         | ـ                      |          | $\vdash \vdash$ |        | 4  |  |  |
| 7       7       =       107       107         8       8       =       108       108         9       9       =       109       109         10       10       =       100       100       100         11       11       =       110       111       111         12       12       =       112       112       112       113       113       113       114       114       114       114       115       115       116       116       116       117  |                 | _        | $\rightarrow$ |     | _      | $\vdash$ | +       | +                                 | _        | <u> </u>      |          |   | +                | _                                 | ╄  | Н            | $\sqcup$        |        | ŀ  |          |          | $\vdash$ | _        | $\perp$   | ╄                      | Н        | $\vdash$        | +      | 4  |  |  |
| 8       8       =       108       108         9       9       =       109       109         10       10       =       100       100       100         11       11       =       110       110       111         12       12       =       112       112       112         13       13       =       63       113       113       114         14       14       =       64       114       114       115       115       116       116       116       117       114       114       114       114       <  |                 |          | -             | +   | +      | $\vdash$ | +       | +                                 | $\dashv$ | ,             | 57       |   | <del>     </del> | -                                 | ╀  | Н            | $\vdash$        |        | ŀ  |          |          | $\dashv$ | +        | +         | ┼                      | $\vdash$ | $\vdash$        | +      | 4  |  |  |
| 9       9       =       109       109       109       110       110       110       110       110       110       110       110       110       111 <td></td> <td></td> <td></td> <td>+</td> <td>+</td> <td>1 1</td> <td>+</td> <td>╅</td> <td></td> <td></td> <td></td> <td>-</td> <td>+</td> <td>+</td> <td>╁</td> <td><math>\vdash</math></td> <td><math>\dashv</math></td> <td></td> <td>ŀ</td> <td></td> <td></td> <td><math>\dashv</math></td> <td></td> <td>+-</td> <td>+-</td> <td>╁┤</td> <td><math>\vdash</math></td> <td></td> <td>-</td>   |                 |          |               | +   | +      | 1 1      | +       | ╅                                 |          |               |          | -   | +                | +                                 | ╁  | $\vdash$     | $\dashv$        |        | ŀ  |          |          | $\dashv$ |          | +-        | +-                     | ╁┤       | $\vdash$        |        | -  |  |  |
| 10     10     =       11     11     =       12     12     =       13     13     =       14     14     =       15     15     =       16     16     =       17     17     =  |                 |          | —             | +   | -      | $\vdash$ | +       | +                                 | -1:      | ; <del></del> |          | +   | ╁╾╁              |                                   | ╁  | Н            | $\vdash$        |        | ÷  |          |          | $\dashv$ | +        | +         | ╁                      | Н        | $\vdash \vdash$ | +      | ┨  |  |  |
| 11     11     =     61     111     111     112     112     112     112     112     112     113     113     113     113     113     113     114     114     114     114     114     115     115     115     116     116     116     117   |                 |          |               | +   | +      | +        | 十       | +                                 | 1        |               |          | +   | +                | +                                 | +  | Н            | $\vdash$        |        | ी  | $\dashv$ |          | $\vdash$ | $\dashv$ | +         | +                      | Н        | $\vdash$        | +-     | ┥  |  |  |
| 12     12     =  <   |                 | _        | $\rightarrow$ | +   | +      | 1 1      | +       | +                                 |          |               |          | +   | +                | +-                                | +  | Н            |                 | 1.     | 1  |          |          | $\vdash$ | +        | +         | +                      | Н        | $\vdash$        | +      | ┨  |  |  |
| 13     13     =     63     113     114       14     14     =     64     114     114       15     15     =     65     115     115       16     16     =     66     116     117       17     17     =     67     117     117   |                 |          |               |     | $\top$ | tt       | 十       | +                                 | ┪.:      | (,            |          | $\neg$  | $\dagger$        | $\top$                            | T  | Н            | $\vdash \vdash$ |        | 1  |          |          | $\vdash$ | +        | $\dagger$ | †                      | Н        | $\vdash$        | +      | 1  |  |  |
| 14     14     =  <   |                 |          | =             |     | 1      |          | $\top$  | $\top$                            |          |               |          | $\top$  | T                |                                   | 1  | П            | $\Box$          | $\neg$ | Ì  |          |          | $\sqcap$ | $\top$   | 1-        | 1                      | $\top$   | 一               | $\top$ | 1  |  |  |
| 16     16       17     17         66     116       17     17   |                 |          | =             |     | 1      | $\Box$   | $\top$  | $\top$                            | ┑.       |               |          |   | T                |                                   |    | П            | Н               | 7      |    |          |          | $\Box$   | $\top$   | 1         | †                      | П        | $\sqcap$        | $\top$ | 1  |  |  |
| 17 17 = 67 117   |                 |          | Ξ             |     |        |          | $\Box$  |                                   |          |               | 65       |   |                  |                                   |    | П            |                 |        |    |          | 115      |          |          | 1         |                        | П        | $\sqcap$        | 1      | 7  |  |  |
|  |                 |          | =]            |     | Ι      |          |         | $oxed{oxed}$                      |          |               |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |                  |                                   |    | $\Box$       |                 |        |    |          | 116      |          |          |           |                        |          | $\Box$          |        | 1  |  |  |
|  |                 |          | _             |     |        |          |         | $oxedsymbol{oxedsymbol{\square}}$ | _]_      |               |          |   |                  |                                   |    | $\Box$       |                 |        |    |          |          |          |          |           |                        |          | $\Box$          |        | _] |  |  |

| 8  | 8  | =       |         |         |         |              |     |             | 94      | 5   | в   | ll            |         |                    |               |   |        | 2.   | 108     |                    |   |              | _l |   | l l |   |        |
|----|----|---------|---------|---------|---------|--------------|-----|-------------|---------|-----|-----|---------------|---------|--------------------|---------------|---|--------|------|---------|--------------------|---|--------------|----|---|-----|---|--------|
| 9  | 9  | =       |         |         |         |              |     | <b>-</b> ]. |         | 5   |     |               |         | $\Box$             |               |   | $\Box$ |      | 109     | П                  | $\neg$  | T            |    |   |     | $\neg$  | 7      |
| 10 | 10 | =       |         |         |         |              |     |             | 7       | . 6 |     |               |         |                    |               | $\sqcap$                                      |        | 50   | 110     | $\neg$             | $\neg \vdash$   | Т            |    |   |     | $\neg$  | $\neg$ |
| 11 | 11 | Ξ       |         |         |         | П            |     |             | .5"     | 6   |     |               |         | T                  |               | Т   |        |      | <br>111 | $\neg$             | $\top$  | Τ            | 1  |   |     | $\neg$  |        |
| 12 | 12 | =       |         |         |         |              |     |             | , T     | 6   |     |               |         |                    |               |   |        |      | 112     |                    |   | 1            |    |   |     | $\neg$  |        |
| 13 | 13 | =       |         |         |         |              |     |             |         | 6   |     |               |         |                    |               | $\Box$  | $\neg$ |      | 113     | $\neg$             | $\neg \vdash$   | 1            | 1  | П |     | $\Box$  |        |
| 14 | 14 | =       |         |         |         |              |     |             | ٠Г      | 6   | 4   |               |         |                    | $\top$        |   |        |      | 114     | T                  | $\top$  | Т            | 1  |   |     | $\top$  |        |
| 15 | 15 | =       |         |         |         |              |     | П           | . [     | 6   | 5   |               |         | 1                  | $\neg \vdash$ |   |        |      | 115     |                    | $\top$  |              |    |   |     | T   | _      |
| 16 | 16 | =       |         |         |         |              |     | П           |         | 6   | 6   |               |         | $\top$             | 丁             | П   |        |      | <br>116 |                    | $\top$  | T            | T  |   |     | 寸   |        |
| 17 | 17 | =       |         |         |         |              |     | П           | Γ       | 6   | 7   |               |         |                    | T             | $\Box$  |        |      | <br>117 |                    |   |              | 1  |   |     | $\exists$   |        |
| 18 | 18 | =       |         |         |         |              |     | П           | Ī       | 6   |     |               |         | T                  | $\top$        |   |        |      | 118     | T                  | $\top$  | Т            |    | П |     |   |        |
| 19 | 19 | =       | $\Box$  |         |         |              |     | П           | Γ       | 6   | 9   |               |         |                    | T             |   |        |      | 119     |                    | $\neg$  | $\top$       |    | · |     | - 1   | ٦.     |
| 20 | 20 | =       | $\Box$  |         |         |              |     | П           | ं - [   | 7   | 0   |               |         | $\top$             | $\neg \vdash$ |   |        | ÷    | 120     | Ţ                  |   |              |    |   |     | $\neg$  |        |
| 21 | 21 | =       |         |         |         |              |     | $\sqcap$    |         | 7   | 1   |               |         |                    | $\neg$        |   |        | -11  | 121     |                    | $\neg \vdash$   | Т            | 1  |   |     | T   | $\neg$ |
|    | 22 |         | П       |         |         |              |     | $\Box$      | Γ       | 7   | 2   |               |         | $\Box$             |               | П   |        |      | 122     |                    |   | Τ            |    |   |     | T   |        |
|    | 23 |         |         |         |         |              |     |             |         | 7   | 3   |               |         |                    |               |   |        |      | 123     |                    | T   | T            | T  |   |     | T   |        |
|    | 24 |         |         |         |         |              |     | П           | , F     | 7   |     |               |         | ТТ                 | П             | H   |        |      | 124     |                    |   | Т            | T  |   |     |   |        |
|    | 25 |         |         |         |         |              |     | П           | Γ       | 7   | 5   |               |         | $\Box$             | T             | П   | $\neg$ | 1    | 125     |                    | $\neg \vdash$   | T            | Т  |   |     | T   |        |
|    | 26 |         |         |         |         |              |     |             | [       | 7   | 6   |               |         |                    |               |   |        | 4.4  | 126     |                    |   |              |    |   | Ì   |   |        |
|    | 27 |         |         |         |         |              |     |             | 1       | 7   |     |               |         | TT                 |               | П   |        | 11.  | 127     |                    |   |              |    |   |     | $\neg$  |        |
|    | 28 |         |         |         |         |              |     |             |         | 7   | B   |               |         | П                  |               |   |        | 1    | 128     |                    |   | 1            | 1  |   |     | $\neg$  |        |
|    | 29 |         |         |         |         |              |     |             | Ţ.      | 7   |     |               |         |                    |               | $\prod_{i=1}^{m}$                             |        | 1    | 129     |                    |   |              |    |   |     |   |        |
|    | 30 |         |         |         |         |              |     |             | . [     | 8   |     |               | $\Box$  | I                  |               |   |        | 4    | 130     |                    |   | Т            | Т  |   |     | $\Box$  |        |
|    | 31 |         |         |         |         |              |     |             | í [     | 8   |     |               |         |                    |               |   |        | I am | 131     |                    |   | Т            | Т  |   |     | $\neg$  |        |
|    | 32 |         |         |         |         |              |     |             | . · · [ | 8   | 2   |               |         |                    |               |   |        |      | 132     |                    |   | Т            |    |   |     |   |        |
|    | 33 |         |         |         |         |              |     |             | ila [   | 8   |     |               |         |                    |               |   |        |      | 133     |                    | Т   |              | Τ  |   |     |   |        |
|    | 34 |         |         |         |         |              |     |             | i. [    | 8   |     |               |         |                    |               | I I I   |        |      | 134     | _                  | $\exists$   | Т            | Т  |   |     | П   | 7      |
|    | 35 |         |         |         |         |              |     |             | :::L    | 8   |     |               |         |                    |               |   |        |      | 135     |                    |   |              |    |   |     |   |        |
|    | 36 |         |         |         |         |              |     |             | ·. [    | 8   |     |               |         |                    |               |   |        |      | 136     |                    |   | Τ            | Т  |   |     |   |        |
|    | 37 |         |         | $\perp$ |         | Ш            |     |             | ĩ L     | 8   |     |               |         |                    |               |   |        |      | 137     |                    |   |              |    |   |     |   |        |
|    | 38 |         |         | $\perp$ | $\bot$  |              |     | Ш           | L       | 8   |     |               |         |                    |               | $\perp \perp$                                 |        | - 1  | <br>138 |                    |   |              |    |   |     |   |        |
|    | 39 |         | $\perp$ | $\perp$ | $\bot$  |              |     |             | î [     | 8   |     |               |         | $\perp 1$          |               | $\perp \perp$                                 |        |      | 139     | $\Box$             | $oldsymbol{\perp}$  |              |    |   |     | $\Box$  |        |
|    | 40 |         | $\perp$ | $\perp$ | $\perp$ |              |     | Ш           |         | 9   |     |               |         | $oxed{\Box}$       |               | $\prod$                                       |        |      | <br>140 | $\perp$            | Ι   |              |    |   |     | $\Box$  |        |
|    | 41 |         | $\perp$ | $\perp$ |         | $\sqcup$     |     | Ш           | , L     | 9   |     |               |         | $\perp \perp$      |               | $\prod$                                       |        |      | 141     | $\perp$            | $\perp$   |              |    |   |     |   |        |
|    | 42 | $\Box$  | _       | ┙       |         |              |     | Ш           | L       | 9   |     |               |         | $\perp$ I          |               | $\perp$                                       |        | 1    | 142     | $oxed{oxed}$       | $oxed{\bot}$  | $oxed{\Box}$ |    |   |     | $\Box$  |        |
|    | 43 |         | $\perp$ | $\bot$  |         | $\sqcup$     | Щ.  |             |         | 9   |     |               |         |                    |               | $oldsymbol{oldsymbol{oldsymbol{\sqcup}}}$     |        |      | 143     | $\perp$            | $\perp$   |              |    |   |     | $\perp$   |        |
|    | 44 |         | _       | _       |         |              | _ _ | Ш           |         | 9   |     | $\perp \perp$ | $\bot$  | $\perp \downarrow$ |               | $\perp \perp$                                 | _]     | 1 14 | 144     |                    |   |              |    |   |     | $\perp$   |        |
|    | 45 |         | _       |         |         |              |     | Ш           | L       | 9   |     |               |         | $\perp \perp$      |               |   |        |      | 145     |                    |   |              |    |   |     |   |        |
|    | 46 |         | ,       | $\perp$ |         | $oxed{oxed}$ |     | $\square$   | Ĺ       | 9   | 6 [ |               | $\perp$ | ⊥I                 | $\bot$        | $\Box$  | $\Box$ | 7.7  | 146     | $oxed{oxed}$       | $oldsymbol{ol}}}}}}}}}}}}}}}$ |              |    |   |     | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |        |
|    | 47 |         | $\perp$ | _       | Ц       | $\sqcup$     |     | Ш           | ;       | 9   |     |               |         | $\sqcup$           |               | $oxedsymbol{oxedsymbol{oxedsymbol{\square}}}$ |        |      | 147     | $oldsymbol{\perp}$ |   |              |    |   |     | $\perp$   |        |
|    | 48 |         |         | _ _     |         | $\sqcup$     |     |             |         | 9   |     |               |         |                    |               |   |        | 1.7  | 148     |                    |   |              |    |   |     | $\bot$  |        |
|    | 49 |         | _       |         |         | $\sqcup$     | _   |             | L       | 9   |     | $\Box$        | $\perp$ | $\perp \perp$      |               | $\Box$  |        |      | 149     |                    |   |              |    |   |     | $\Box$  |        |
|    | 50 | $\perp$ |         | !_      |         | Ш            | L_  |             | L       | 10  | 0   |               |         | $\perp \perp$      |               |   | ╝      | 1    | 150     |                    |   |              |    |   |     | $oldsymbol{\bot}$                                 |        |
|    |    |         |         |         |         |              |     |             |         |     |     |               |         |                    |               |   |        |      |         |                    |   |              |    |   |     |   |        |
|    |    |         |         |         |         |              |     |             | _       |     |     |               |         |                    |               |   |        |      | <br>    |                    |   |              |    |   |     |   |        |